

WORK AND SAFETY PLAN

2012 Cooperative Gypsy Moth Project For Indiana

1.0 Personnel / Organization

This project is conducted by the Indiana Department of Natural Resources (Division of Entomology and Plant Pathology and the Division of Forestry) with cooperation from the USDA, Forest Service.

- 1.1 STATE ENTOMOLOGIST - Overall responsibility for the project under Indiana law with authority to initiate and stop the project at any time.
- 1.2 STATE FORESTER - Provides contract administration and cooperation between and with the USDA - Forest Service.
- 1.3 FOREST HEALTH SPECIALIST (Div. Forestry) - Provides supervision of the project in conjunction with the Forest Entomologist; prepares and reviews the environmental assessment; assists with public meetings; prepares and assists with treatment and contract; assists with biological evaluation; and coordinates and administers work and safety plan.
- 1.4 FOREST ENTOMOLOGIST (Div. Forestry) - Provides supervision of the project in conjunction with Forest Health Specialist and Supervisory Entomologist; conducts biological evaluation of the project; prepares treatment boundaries; provides GIS support for the project; conducts pre treatment assessments for boundaries and aerial safety concerns; and assists in work and safety plan administration.
- 1.5 NURSERY INSPECTORS AND COMPLIANCE OFFICERS (Div. Entomology) - Provides supervision of the project in conjunction with the Forest Health Specialist and Forest Entomologist; conducts and assists with public meetings and public notification; assists and conducts biological evaluation; assists with work and safety plan; conducts treatments serving as treatment site observer and/or treatment site coordinator; prepares and reviews environmental assessment; monitors treatment progress; answers phone calls and monitors weather radar.
- 1.6 TREATMENT SITE OBSERVER - Monitors aerial application of treatment material from the ground; observes aircraft for proper operation of treatment equipment; documents and reports defective nozzle operation; sets and retrieves spray deposit cards(if used) or monitors vehicles and other objects for spray deposition; records weather

information (temperature, humidity and wind speed) and foliage expansion; records start and completion time of application; maintains radio contact with applicator; and communicates to people within treatment site.

- 1.7 TREATMENT SITE COORDINATOR - Conducts activities of treatment site observer; coordinates activities of treatment site observers; maintains radio contact with contractor and observers; approves start of application to the treatment site and release of the pilot to go to the next treatment site and records all activities of the treatment site.
- 1.8 LOAD SITE OBSERVER - Observes and records mixing and loading of treatment material; performs check of treatment equipment on aircraft for compliance with contract specifications; records amount of treatment material loaded and remaining after application; views digital application files for accuracy of application & advise applicator of any errors or problems; records other data on aircraft and pilot conducting each application; and coordinates project communications among treatment site observers, treatment site coordinators and other staff involved in the treatment.
- 1.9 CENTRAL COMMUNICATIONS OFFICER – Receives and responds to phone calls from the 800 number; maintains conference call to treatment site observers; treatment site coordinators; load site observer; monitors weather radars; maintains call list of people requesting notification for health reasons; coordinates with Division of Communications for press releases.
- 1.10 CONTRACTOR - Responsible to know and meet all state and federal regulations regarding treatment material use and aerial application; comply with specifications of the contract; to provide a safety plan for spills and safety equipment for his employees; to provide security for aircraft and treatment materials, and to conduct pre application safety meeting and fly-over of the site.

The Forest Health Specialist and Forest Entomologist are responsible for administering the treatment operation and this work and safety plan.

The use of ‘state agent’ in this plan refers to the personnel listed above in 1.3 to 1.9.

2.0 Treatment Areas

The Indiana Department of Natural Resources (IDNR), Division of Entomology & Plant Pathology and Division of Forestry, proposes a cooperative project with the United States Department of Agriculture (USDA), Forest Service (USFS) to treat the gypsy moth populations at six sites in three counties that cover an estimated 14,272 acres (Table 1 below and maps in Appendix B). The preferred alternative for the cooperative project is Alternative 5: Btk, mating disruption and/or mass trapping.

Table 1. Number of Treatment Sites and Acres by County and Treatment Method for 2012.

| COUNTY | TREATMENT SITES By Treatment Method | | TREATMENT ACRES By Treatment Method | |
|---|--|------------|--|------------|
| | Mating Disruption | Btk Aerial | Mating Disruption | Btk Aerial |
| Fulton | 3 | 0 | 4,395 | 0 |
| Lake | 2 | 0 | 9,209 | 0 |
| Porter | 0 | 1 | 0 | 668 |
| Proposed Cooperative Project by Treatment | 5 | 1 | 13,604 | 668 |
| Total Cooperative Project | 6 | | 14, 272 | |

2.1 Description of the Proposed Sites

Fulton County: This county is about 235,770 acres and 4,395 acres are in the proposed treatment sites. Thus a small portion of the county is proposed for treatment. Within the treatment sites, the tree canopy is estimated to be 38% of the treatment sites and is the target for treatment.

Rochester North: The proposed treatment site contains 863 acres. The site is composed of trees associated with rural residences and woodlots. Cherry, oak, ash, cottonwood, maple, elm, walnut and other hardwoods and shrubs are present. A conservation planting of white pine occurs within the site. Houses occur within the site. Menominee State Public Fishing Area occurs within the site. The Tippecanoe River runs through the northern portion of the site. Blair Ditch, McMahan Ditch, Kelley Ditch, associated wetlands and a few ponds occur within the site. No towers occur within the site. The Fulton County Airport (RCR), which includes a helipad, is two miles southwest of the site. This site was detected in 2011 and has had no prior treatment. No egg masses were detected in this site in 2011. Survey indicates a very low gypsy moth population, and mating disruption is proposed for this site.

Rochester NW: The proposed treatment site contains 1,316 acres. The site is composed of trees associated with rural residences and woodlots. Cherry, oak, cottonwood, maple, elm, walnut and other hardwoods and shrubs are present. Conservation plantings of white pine occur within the site. Houses and businesses occur within the site. An abandoned county landfill in the process of being converted into a park and police shooting range occurs within the site. Geneva Center, a Presbyterian Summer Camp and Retreat Center, occurs within the northwest area of the site. Ponds and small wetlands areas occur within the site. An unnamed ditch leading to the Tippecanoe River (outside of the site) occurs in the southern portion of the site. One tower occurs within the site, and several towers occur within a half mile of the site. The Fulton county Airport (RCR), which includes a helipad, is four miles southwest of the site. The site was detected in 2011 and has had no prior treatment. No egg masses were detected in this site in 2011. Survey indicates a very low gypsy moth population, and mating disruption is proposed for this site.

Rochester South: The proposed treatment site contains 2,216 acres. The site is composed of trees associated with both rural and urban residences and woodlots. Cherry, oak, cottonwood, maple, elm, walnut and other hardwoods and shrubs are present. Houses, businesses, churches, a public library, a community center and Rochester Community High School/Middle School occur within the site. Rochester City Park occurs within the site. Cessna Ditch, Minnow Ditch and a few ponds occur within the site. Two cell towers and power lines occur within the site. A water tower occurs adjacent to the site. The Fulton County Airport (RCR), which includes a helipad, is 1.5 miles east of the site. The site was detected in 2011 and has had no prior treatment. No egg masses were detected in this site in 2011. Survey indicates a very low gypsy moth population, and mating disruption is proposed for this site.

Lake County: This county is about 317,990 acres and 9,209 acres are in the proposed treatment sites. Thus a small portion of the county is proposed for treatment. Within the treatment sites, the tree canopy is estimated to be 66% of the treatments sites and is the target for treatment.

Briar Ridge: The proposed treatment site contains 1,637 acres. The site is composed of trees associated with urban residences and woodlots. Oak, maple, crabapple, hawthorn, spruce and other hardwoods and shrubs are present. Houses and businesses occur within the site. Briar Ridge Country Club and Golf Course, Briar Creek Park and Plum Creek Park occur within the site. Ponds, creeks and Dyer Ditch occur within the site. Power lines occur within the site. No towers occur within the site. Conrail Railroad occurs northwest to southeast through the site. The site was detected in 2010 and delimited in 2011. Part of the site was treated with Btk in 2011. No egg masses were detected in this site in 2011. Survey indicates a very low gypsy moth population, and mating disruption is proposed for this site.

Oak Savannah: The proposed treatment site contains 7,572 acres. The site is composed of trees associated with both urban and rural residences and woodlots. White oak, maple, crabapples, other oak species, cottonwood and other hardwoods and shrubs are present. Houses, businesses, schools, and churches occur within the site. Mundell Field, Lakeview Park, Festival Park and other parks occur within the site. Cressmoor Country Club and Cressmoor Prairie State Nature Park occur in the northwest portion of the site. Lake George, Deep River, Duck Creek, Turkey Creek and ponds occur within the site. Hobart Sky Ranch, a small airport, occurs in the northern portion of the site. Cell towers, a water tower, and power lines occur within the site. The site was detected in 2009 and was delimited in 2010 and 2011. Part of the site was treated with mating disruption in 2010. No egg masses were detected in this site in 2011. Survey indicates a very low gypsy moth population, and mating disruption is proposed for this site.

Porter County: This county is about 267,639 acres and 668 acres are in the proposed treatment sites. Thus a small portion of the county is proposed for treatment. Within the treatment site, the tree canopy is estimated to be 34% of the treatment site and is the target for treatment.

Cobbs Corner: The proposed treatment site contains 668 acres. The site is composed of trees associated with rural residences and woodlots. White oak, red oak, maple and other hardwoods and shrubs are present. Houses and businesses occur within the site. A few ponds occur within the site. The site was detected in 2003 and delimited in 2004 through 2007. Part of the site was treated with Btk in 2004, 2005 and 2006. Part of the site was treated with mating disruption in 2007. In total, less than 40 acres was treated with Btk in consecutive years from 2004 to 2006. Several egg masses were detected in this site in 2011. Survey indicates a low gypsy moth population, and Btk is proposed for this site.

3.0 Pre-treatment Operation

3.1 Biological Monitoring

- A. Egg masses are monitored near or in the treatment site(s) to determine the date of egg hatch. This is used to aid in determining the time of first application for Btk and to aid in determining the time of male moth emergence for the application of mating disruption.
- B. Larvae observed in the sites will have their stage of development determined. When approximately 25-50% of the larvae are second instar, the first application of Btk is applied. The larval development will also be used to determine when pupation could occur, which will aid in determining the application time for mating disruption. For the Btk treatment sites, foliage expansion will be monitored so that an adequate target is available for the deposition of the Btk. Oak foliage will be used to guide foliage expansion. When expansion is near 50%, the first application will be applied. Other tree species in the project site will be monitored, also. Species such as sugar maple will also be used to determine the first application, especially if they are the major component of the overstory.

- C. The first application of Btk will be from late April through late May depending on weather. The earliest recorded male moth catch date and the above information will be used to determine the time for application of the mating disruption, which could be from mid June through early July.

3.2 Calibration and Characterization

- A. Treatment equipment cleaned prior to application.
- B. For Btk, clean nozzles installed and in line screen, clean and no finer than 30 mesh.
- C. Aircraft calibrated and characterized prior to application.
- D. Tanks, hoses and pump on treatment aircraft checked for leaks before the treatment material is loaded.
- E. The swath width used during application is determined in consultation with the state entomologist and USDA Forest Service using the swath width defined from characterization.
- F. Contractor will upload the most recent and correct GIS files of the treatment sites into the aircraft navigation system and verify that the navigation system will accurately guide the treatment applications.
- G. An aircraft safety check at time of calibration and characterization and at the time of loading for each application.
- H. Testing and designation of radio frequencies for ground to air communication conducted at pretreatment meetings and at the time of loading for the application.

3.3 Pre-treatment Training

- A. Contractor:
 - 1. The contractor will view the treatment site from the ground and/or air prior to the application with an agent of the State Entomologist to familiarize the contractor with the boundaries, hazards and other safety concerns.
 - 2. The contractor will provide a spill plan.
 - 3. Review the following information provided by the contractor to the State Entomologist:
 - a) Nozzle type/number and number of nozzle per aircraft for Btk
 - b) Swath width
 - c) Gallon per minute for Btk
 - d) PSI for Btk
 - e) Height about project area
 - f) Air speed during application
 - g) Pilot name and license # (FAA & Pesticide), years of experience
 - h) Aircraft type/model/number (FAA)
 - i) Treatment materials applied through treatment equipment just prior to this project for Btk
- B. Observers:
 - 1. Familiarize observers with treatment site boundaries, hazards, school bus

- schedules, hospitals with helipads, and other safety concerns.
2. Instruct observers in placement and retrieval of spray deposit cards for Btk (if used).
 3. Instruct observers in radio and all phone operation and communication procedures.
 4. Instruct observers in the use of monitoring procedures and equipment - temperature/humidity meter, wind meter and foliage expansion measure.
 5. Instruct observers on procedures for an emergency.

4.0 Treatment Operations

4.1 Communications

A. Aircraft pilot to treatment site

1. The contractor provides radios for DNR employees to communicate with the pilot. Or, the contractor installs the DNR radio frequency or radio into the aircraft. Or, the contractor meets communication requirements of the USDA Forest Service for the application of pheromone flakes.
2. Radio communication is established at each treatment site between the pilot and treatment site observer or treatment site observer/coordinator.
3. Radio communication is used:
 - a) to give contractor clearance to start application at the treatment site;
 - b) to communicate malfunctioning treatment equipment;
 - c) to communicate start and stop points for flight lines;
 - d) to communicate any skips or misses;
 - e) to communicate any hazards, safety concerns or other problems within the treatment site;
 - f) to communicate potential hazards from other aircraft entering the treatment site and locations of hospitals with emergency helicopter service;
 - g) to stop application for safety and weather condition reasons;
 - h) and to release pilot and aircraft to move to the next site.

B. Between treatment sites

1. Radios and cellular phones will be used to notify each treatment site of the application progress, when the aircraft is moving to the next site, when the application is completed, any safety concerns and emergency situations.
2. Cellular phones will be used to communicate to local emergency service agencies.

C. Central communications

1. One person will be assigned to take phone calls at a central phone number for the project and to keep in communication with ground observers.

4.2 Treatment Schedule and Constraints

- A. Refer to Section 3.1 - Biological Monitoring for the time of application.
- B. Second application (if applicable as per project preferred alternative for the site) of

- Btk is made no sooner than four days after the first application.
- C. Start date will be determined by the State Entomologist and the contractor given a minimum of 48 hours notice before first application.
 - D. First application of Btk will be made when 25-50% of the gypsy moth larva are 2nd instar size. This is estimated to be between late April and late May.
 - E. For mating disruption, application will be made 1-2 weeks prior to historical date of first male moth catch from detection surveys. This is estimated to be between mid June and early July.
 - F. Applications will be made under the supervision and authority of the State Entomologist or his agent in coordination with the USDA Forest Service and USDA APHIS.
 - G. The State Entomologist or his agent must be present at the time of each application and will give the order to stop, start or alter application.
 - H. Application will start after dawn, as stated by the National Weather Service, and continue until completed or when weather conditions and safety concerns are not acceptable for the safe operation of the treatment. Application would restart on the same day should weather conditions and safety concerns return to acceptable levels for a safe operation.
 - I. Application will stop when wind speeds exceed 10 mph or cause the treatment to drift off the project location.
 - J. Application of Btk will be suspended when school buses are in the site and when children are outside on school grounds. The State Entomologist or his agent will contact the local school district for bus schedules at the project site and inform the vendor when treatment will stop.
 - K. Treatment of Btk will be done when weather reports indicate there will be no rain for a minimum of 24 hours, preferably 48 hours. However, depending on weather patterns and development of larva and foliage, a 6-hour minimum period of no rain will be used as decided by the State Entomologist or his agent to allow application.
 - L. Low relative humidity below 50% and high temperature above 80 F may stop application. Treatment may continue at temperatures above 80 F if there are no thermal inversions.
 - M. Treatment of mating disruption will be done when weather reports indicate there will be no threat of rain within one hour after treatment.

4.3 Pilot Briefing

- A. Review Section 3.3 A. – Pre-treatment Training with Contractor
- B. Update pilot on any changes in treatment site boundaries, hazards, or other safety concerns.
- C. Insure navigation system and treatment file is properly linked.
- D. Check treatment file in the navigation system to insure the file is the most recent version and contains the correct treatment boundaries should there be any changes in boundaries to mitigate issues regarding the treatment sites.
- E. Review treatment application at end of application or end of day.

4.4 Mixing and Loading

- A. Btk will be applied undiluted, as per the label or recommendations of the manufacturer. The rate is between 24 to 38 BIU/acre.
- B. The mating disruption will be applied per the label, the recommendations of the manufacturer or the recommendation of the USDA Forest Service. The rate is 15 or 6 grams AI/acre unless amended by manufacturer or USDA Forest Service.
- C. The treatment material will be mixed according to the label directions.
- D. Mixing and loading shall occur under the supervision of the State Entomologist or his agent. The State Entomologist and the contractor will mutually agree upon the site(s) for loading and mixing. The site(s) shall be located in proximity to the treatment site(s).
- E. Excess treatment material from each application shall be disposed of according to the label and all state and federal safety guidelines by the vendor.
- F. The contractor provides equipment for mixing, loading.
- G. Contractor is responsible to clean up treatment material and fuel spills.
- H. Contractor provides a safety plan for spills.
- I. Contractor maintains all required records as specified in the project contract.
- J. Contractor provides safety clothes and equipment for the contractor's employees.
- K. Contractor provides the following in written form for each application:
 - 1. Nozzle type/number and number of nozzle per aircraft.
 - 2. Swath width.
 - 3. Gallon per minute.
 - 4. PSI.
 - 5. Height about project area.
 - 6. Air speed during application.
 - 7. Pilot name and license # (FAA & Pesticide), years of experience.
 - 8. Aircraft type/model/number (FAA).
 - 9. Treatment materials applied through sprayer just prior to this project.
- L. The load site observer will record information about mixing and loading
 - 1. amount of treatment material loaded,
 - 2. amount of treatment material remaining,
 - 3. amount and type of sticker loaded.
- M. The load site observer will inspect the treatment equipment for:
 - 1. treatment equipment clean,
 - 2. new and clean nozzles installed,
 - 3. in line screen, clean and no finer than 30 mesh,
 - 4. tanks, hoses and pump on treatment aircraft checked for leaks,
 - 5. treatment equipment operating properly.
- N. The load site observer tests radio communication between the ground and air.

4.5 Application Monitoring

- A. Treatment site observer will record and monitor the following during application:
 - 1. temperature
 - 2. relative humidity
 - 3. wind speed.
- B. Treatment site observer will set and recover spray deposit cards, if utilized for a treatment site.
- C. Treatment site observer will observe treatment emitting from aircraft. The pilot will be notified and treatment will be halted if the pattern and coverage are seriously altered.
- D. Treatment site observer will observe flight path, start/stop points for application, note any problems or deviations and advise pilot, treatment site coordinator and load site observer of the problems or deviations.
- E. Treatment site coordinator will approve start of application to the site and release of the pilot to go to the next site.
- F. Treatment site observers will visually verify that the proper boundaries are used (See Section 3.3 B. - Pre-treatment Training for Observers).
- G. Load site observer will receive digital files that record treatment application from the applicator (see Section 1.8 – Load site observer) at the end of each treatment day or when a treatment is completed. Load site observer will view digital files for accuracy of application & advise applicator of any errors or problems.

5.0 Public Notification

- 5.1 Residences in the treatment sites will be notified of the decision to proceed with the project approximately two weeks before the planned treatment by direct mail. The residences and the public will also be notified approximately two weeks before the planned treatment by using news releases via local newspapers and radio/TV stations.
- 5.2 The media will be notified at least two days before the planned date of treatment and asked to provide information on the treatment and the treatment date to the residences in the treatment sites and the public. Public media will be utilized to the best means possible to notify the public of changes in the planned treatment date when adverse weather conditions arise and the planned treatment date has to be changed.
- 5.3 Local emergency agencies (including hospitals with helipad transport services) and other private helipads and airports will be notified of the planned treatment date and time, and given information of contact persons to direct questions.
- 5.4 Offices of county/municipal officials (extension agents, mayor, etc.) will be notified of the planned treatment date and time prior to treatment. Contact persons and other information will be provided as needed

- 5.5 Notification will contain information pertinent to the specific treatment, treatment schedule, and precautions to be taken.

6.0 Security

6.1 Treatment Product

- A. The State will require a certificate of analysis from the manufacturer prior to application.
- B. The manufacturer will provide a chain of custody document to the contractor upon delivery of the product.
- C. The manufacturer provides factory seals at the point of origin.
- D. The contractor will retain the chain of custody document and provide it to the State agent prior to application.
- E. The contractor must notify the State agent when the product has arrived and is in his/her custody.
- F. Upon delivery the contractor must provide a storage facility for the product that is locked and secured.
- G. A State agent will inspect the product within 24 hours of notification that the contractor has received the product.
- H. Upon notification that the contractor has received the product, the State agent shall notify responsible security officials (police, sheriff and/or conservation officers) where the product is located and request the location be monitored periodically until the treatment project has been officially completed.

6.2 Aircraft Security

- A. The aircraft will be secured in a hanger or disabled when not in use.
- B. The spray equipment – hoppers, tanks, pumps, hoses and mixing equipment – will be secured in a hanger or sealed at the end of each workday.
- C. The airport facility will be monitored periodically until the treatment project has been officially completed.

6.3 Pilot

- A. The pilot must have FAA approval for restricted areas.

6.4 Airport Security

- A. Access to the airport loading and storage areas will be restricted.
- B. Identification will be required for access to airport loading and storage areas, and other operation sites.

7.0 Safety

7.1 Handling of Treatment Material

- A. Contractor will provide protective clothing for his employees.
- B. Contractor will provide safety equipment at the load site for spills of treatment

material.

- C. Contractor provides a safety plan for spills.
- D. Contractor is responsible to clean up treatment material spills.

7.2 Accidental Spill

The contractor will provide a spill plan for the loading/mixing of the treatment material and for fueling the aircraft. This plan will be followed in case of an accidental spill. In the event a spill does occur or pilot has to dump the treatment material, the following will be notified:

- Safety Officer of the DNR: (Richard Edwards) 317-232-4145
- State Chemist Office: 765-494-1492
- State Police: 911 or site specific emergency numbers
- IN Dept. of Environmental Management Spill Line: 888-233-7745
- Local authorities: police, fire department, hospitals (site specific emergency numbers)
- CHEMTREC (Chemical Transportation Emergency Center): 800-424-9300
- National Response Center (if spill occurs on a highway): 800-424-8802
- USDA, Forest Service, Northeastern Area:
 - (Marc Roberts) 651-470-3153/651-649-5268 or
 - (Mike Connor) 651-247-8076/651-649-5180 or if unavailable call
 - (Dan Zimmerman) 610-742-7860

(SEE: PESTICIDE SPILL CALLING SHEET, PAGE 16)

7.3 National Pollutant Discharge Elimination System Incident Reporting Requirements

Adverse Incidents to be Reported to the Indiana Dept. of Environmental Management (IDEM)

All persons covered by the Indiana General Permit for Pesticide Applications (Permit ING870000) must monitor for, identify, and report adverse incidents. If a person covered by this general permit observes or are otherwise made aware of an adverse incident that may have resulted from a discharge from the pesticide application, the person must notify IDEM by telephone at (888) 233-7745.

- A. Immediately for incidents which pose a significant danger to human health or the environment,
- B. As soon as possible but within two (2) hours of discovery for any adverse incidents resulting in death or acute injury or illness to animals or humans (see 327 IAC 2-6.1), and
- C. Within 24 hours of the person becoming aware of the adverse incident for any other adverse incidents not listed above.

Such adverse incident reports to IDEM must include the following information:

- The caller's name and telephone number;

- Operator name and mailing address;
- If covered under a notice of intent, the NPDES tracking number;
- The name and telephone number of a contact person, if different than the person providing the 24-hour notice;
- How and when the person became aware of the adverse incident;
- Description of the location of the adverse incident;
- Description of the adverse incident identified and the EPA pesticide registration number for each product the person applied in the area of the adverse incident; and
- Description of any steps the person has taken or will take to correct, repair, remedy, clean up, or otherwise address any adverse effects.

Written Reports of Adverse Incidents to IDEM

Within 5 days of reporting an adverse incident, the person covered by the pesticide general permit must provide a written report of the adverse incident to the department which includes the following information:

- A. Information required to be provided above;
- B. Date and time the person notified IDEM of the adverse incident, who the person spoke with, and any instructions the person received from IDEM;
- C. Location of incident, including the names of any waters affected and appearance of those waters (sheen, color, clarity, etc);
- D. A description of the circumstances of the adverse incident including species affected, estimated number of individual and approximate size of dead or distressed organisms;
- E. Magnitude and scope of the affected area (e.g. aquatic square area or total stream distance affected
- F. Pesticide application rate, intended use site (e.g., banks, above, or direct to water), method of application, and name of pesticide product, description of pesticide ingredients, and EPA registration number;
- G. Description of the habitat and the circumstances under which the adverse incident occurred (including any available ambient water data for pesticides applied:
- H. If laboratory tests were performed, indicate what test(s) were performed, and when, and provide a summary of the test results within 5 days after they become available;
- I. If applicable, explain why the person believes the adverse incident could not have been caused by exposure to the pesticide;
- J. Actions to be taken to prevent recurrence of adverse incidents; and
- K. Signed and dated in accordance with 327 IAC 5-2-22.

The person must report adverse incidents even for those instances when the pesticide labeling states that adverse effects may occur.

Adverse Incident Reporting For Federally listed Threatened or Endangered Species

If a person becomes aware of an adverse incident to a federally listed threatened or endangered species or its federally designated critical habitat, that may have resulted from a discharge from the pesticide application, the person must immediately notify the National Marine Fisheries Service Northeast Regional Office (NMFS) at **978-281-9300** in the case of an anadromous or marine species, or the U.S. Fish and Wildlife Service (FWS) Indianapolis Law Enforcement Office at **317-346-7014** in the case of a terrestrial or freshwater species. This notification must be made by telephone immediately upon becoming aware of the adverse incident and must include the following information:

- A. The caller's name and telephone number;
- B. Operator name and mailing address;
- C. The name of the affected species;
- D. How and when the person became aware of the adverse incident;
- E. Description of the location of the adverse incident;
- F. Description of the adverse incident, including the EPA pesticide registration number for each product the person applied in the area of the adverse incident; and
- G. Description of any steps the person has taken or will take to alleviate the adverse impact to the species.

Adverse Incident Reporting for State-Listed Rare, Threatened or Endangered Species

If a person becomes aware of an adverse incident to a state-listed rare, threatened or endangered species or its critical habitat that may have resulted from a discharge from the pesticide application, the person must immediately notify the Indiana Department of Natural Resources at **317-232-4200**. This notification must be made by telephone immediately upon becoming aware of the adverse incident and must include the information required in the previous section.

7.4 Safety Training

Safety training will be incorporated into the pre treatment training for treatment site and load site observers and other personnel. The Work and Safety Plan will be reviewed at the time of application. Individuals will review emergency procedures, phone numbers, the communication procedure, the location of emergency equipment, and the monitoring procedure.

7.5 Aviation Accident

In the event of an accident, the treatment site observer or other project personnel will notify the State Police, 911 services if available in project area, county/municipal police, fire department, hospital and EMS for emergency situations. Also notified will be those listed under accidental spill. Project personnel will assist in the emergency situation as

needed. DO NOT DELAY NOTIFICATION TO EMERGENCY SERVICES.
**(SEE: OVERDUE AIRCRAFT, CRASHED AIRCRAFT OFF AIRPORT,
CRASHED AIRCRAFT AT AIRPORT CALL LISTS AND AIRCRAFT
ACCIDENT CHECKLIST AND OTHER INSTRUCTIONS, PAGES 19-24)**

7.6 Personal/Vehicular Incident

In the event of a personal or vehicular incident, the treatment site observer or other project personnel will notify the State Police, 911 services if available in the project area, county/municipal police, fire department, hospital and EMS for emergency situations. Project personnel will assist in the emergency situation as needed. A report of the incident should be made using Indiana State Form 40141, "Report of Personal/Vehicular Incident".

DO NOT DELAY NOTIFICATION TO EMERGENCY SERVICES.
(SEE: REPORT OF PERSONAL/VEHICULAR INCIDENT, PAGES 17-18)

7.7 Project Aviation Safety Plan

This Indiana Work & Safety Plan is used in conjunction with the USDA, Forest Service Aviation Management Plan 2012 for the Mating Disruption Treatment Project.

PESTICIDE SPILL CALLING SHEET

In the event of a pesticide spill notify the following personnel:

- | | | |
|----|---|---|
| 1. | Indiana DNR Safety Officer | <u>Richard Edwards</u> <u>317-232-4145</u> |
| 2. | Call State Chemist Office | <u>765-494-1492</u> |
| 3. | Call State Police | <u>See Site Specific Emergency Numbers</u> |
| 4. | Call Department of Environmental Management Spill Line | <u>888-233-7745</u> |
| 5. | Notify Local Authorities (Police, Fire, Hospital) if needed | <u>See Site Specific Emergency Numbers</u> |
| 6. | Notify CHEMTREC (Chemical Transportation Emergency Center) | <u>800-424-9300</u> |
| 7. | Notify National Response Center (If spill occurs on highway) | <u>800-424-8802</u> |
| 8. | Notify U S Forest Service | <u>Marc Roberts</u> <u>(651) 470-3153 / (651) 649-5268</u> |
| | Or | <u>Mike Connor</u> <u>(651) 247-8076 / (651) 649-5180</u> |



REPORT OF PERSONAL / VEHICULAR INCIDENT

State Form 40141 (R2 / 5-00)

INDIANA DEPARTMENT OF
NATURAL RESOURCES

INSTRUCTIONS: Within ten (10) days, the completed form (State Form 40141) will be distributed to the following:
* 2 copies to the Director of Safety.
(The Director of Safety will forward a copy to the Investigation Division, Attorney General.)
* 1 copy to the DNR division representative involved in the accident
* 1 copy to be retained by the originator.

■ PRIVACY NOTICE

This agency is requesting that you disclose your Social Security Number. You have the right to refuse, and will not be penalized for doing so.

TO:
ATTORNEY GENERAL'S OFFICE, INVESTIGATION DIVISION
FROM: (PROPERTY)
VIA: (AGENCY / DIVISION)

NOTICE

This report is prepared by and for State use. It shall not be published or disseminated to anyone without specific authorization from a representative of the office of the Attorney General of Indiana or a representative of the state agency with the authority to release said information.

TIME, PLACE AND ENVIRONMENT

| | | |
|---|---|---|
| <input type="checkbox"/> State Employee <input type="checkbox"/> Not a State Employee | Date of Incident (Month, Day, Year) | Incident Resulted In: <input type="checkbox"/> Personal Injury <input type="checkbox"/> Vehicle Damage |
| Local Time <input type="checkbox"/> A.M. <input type="checkbox"/> P.M. | Day of Week | Exact Location of Accident |
| WEATHER CONDITIONS: <input type="checkbox"/> Clear <input type="checkbox"/> Cloudy <input type="checkbox"/> Rain <input type="checkbox"/> Snow <input type="checkbox"/> Sleet / Hail <input type="checkbox"/> Freezing Rain | LIGHT CONDITIONS: <input type="checkbox"/> Daylight <input type="checkbox"/> Dawn / Dusk <input type="checkbox"/> Dark (Street Lights On) <input type="checkbox"/> Dark (Street Lights Off) | TYPE OF INCIDENT: <input type="checkbox"/> Personal Injury <input type="checkbox"/> Fatality <input type="checkbox"/> Property Damage <input type="checkbox"/> Vehicle Damage |
| PHOTO INCLUDED: <input type="checkbox"/> Yes <input type="checkbox"/> No | | |
| PROPERTY MAP INCLUDED: <input type="checkbox"/> Yes <input type="checkbox"/> No | | |

INJURED PERSON

| | |
|--------------------------|----------------------------------|
| Name of Injured Person | Telephone Number |
| Address | Date of Birth (Month, Day, Year) |
| City, State and ZIP code | Social Security Number ■ |

BODILY INJURY STATUS


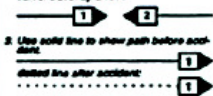
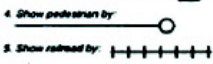


Below is a numbered list indicating Area of Injury. In the box next to the numbers around the figure, show the type of injury that occurred; using the letter coding indicated under Type of Injury. This will give an over-all and precise picture of the nature of the injury.

| | | | | | | | | | | | | | | | |
|----------------|-------------------|-----------------|---------------|-------------------|----------------|-------------------|--|--|--|--|--|--|--|--|--|
| Area of Injury | | | | | | | | | | | | | | | |
| Head..... 1 | Shoulder..... 5 | Wrist..... 9 | Ankle..... 13 | Chest..... 17 | Back..... 21 | Knee..... 25 | | | | | | | | | |
| Face..... 2 | Collarbone..... 6 | Abdomen..... 10 | Foot..... 14 | Hip..... 18 | Thumb..... 22 | Lower leg..... 26 | | | | | | | | | |
| Eye..... 3 | Elbow..... 7 | Thigh..... 11 | Skin..... 15 | Upper arm..... 19 | Hand..... 23 | Instep..... 27 | | | | | | | | | |
| Tooth..... 4 | Ribs..... 8 | Groin..... 12 | Neck..... 16 | Forearm..... 20 | Finger..... 24 | Toe..... 28 | | | | | | | | | |

| | |
|-------------------|---|
| | Indicate skin areas affected: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8 <input type="checkbox"/> 9 <input type="checkbox"/> 10 <input type="checkbox"/> 11 <input type="checkbox"/> 12 <input type="checkbox"/> 13 <input type="checkbox"/> 14 <input type="checkbox"/> 15 <input type="checkbox"/> 16 <input type="checkbox"/> 17 <input type="checkbox"/> 18 <input type="checkbox"/> 19 <input type="checkbox"/> 20 <input type="checkbox"/> 21 <input type="checkbox"/> 22 <input type="checkbox"/> 23 <input type="checkbox"/> 24 <input type="checkbox"/> 25 <input type="checkbox"/> 26 <input type="checkbox"/> 27 <input type="checkbox"/> 28 |
| Type of Injury | |
| WOUNDS..... | Laceration..... A BURN..... Heat..... L |
| | Contusion..... B Chemical..... M |
| | Infection..... C Friction..... N |
| | Foreign Body..... D SKIN..... Dermatitis..... O |
| | Puncture..... E Irritation, Rash..... P |
| FRACTURE..... Q | |
| STRAIN..... R | |
| EYES..... | Foreign Body..... F SPRAIN..... S |
| | Burn, Corrosive..... G GASES..... Nausea..... T |
| | Burn, Heat..... H Dizziness..... U |
| | Burn, Flash..... I Irritation..... V |
| Wound..... J | PAINS..... W |
| Irritation..... K | MISCELLANEOUS..... X |

| | | |
|---|--|---|
| VICTIM STATUS <input type="checkbox"/> Conscious <input type="checkbox"/> Semi-conscious <input type="checkbox"/> Unconscious <input type="checkbox"/> Dead | Received First Aid <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, By Whom? | <input type="checkbox"/> Refused Medical Treatment <input type="checkbox"/> Ambulance: Name of Ambulance Service |
| DISPOSITION <input type="checkbox"/> Went Home <input type="checkbox"/> Went to Hospital <input type="checkbox"/> Saw Physician | | |
| WITNESS | | |
| Name | Telephone Number | |
| Address | Social Security Number ■ | |
| City, State and ZIP code | | |

(over)

| DESCRIPTION OF ACCIDENT | | | | | | | | | | | |
|---|--|----------------------------------|-----------------------------|--|------------|---|--|----------------------------------|-----------------------------|--|------------|
| Describe Briefly How the Accident Occurred: FACTS ONLY. | | | | | | | | | | | |
| LAW ENFORCEMENT | | | | | | | | | | | |
| Name of Investigating Officer | | | | | | Badge / I.D. Number | | | | | |
| Department | | | | | | Law Enforcement Called? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, By Whom? | | | | | |
| OTHER REPORTS | | | | | | | | | | | |
| Indiana Operator's Accident Report <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | Investigative Officer's Report <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | | |
| SIGNATURE | | | | | | | | | | | |
| <i>Authorized personnel shall complete and process this report without undue delay.</i> | | | | | | | | | | | |
| Report Prepared By: | | | | | | Title | | | Date (Month, Day, Year) | | |
| STATE 1 | | | | | | OTHER VEHICLE 2 | | | | | |
| VEHICLE 1 <input type="checkbox"/> DRIVER 1 <input type="checkbox"/> | | | | | | VEHICLE 2 <input type="checkbox"/> DRIVER 2 <input type="checkbox"/> | | | | | |
| Print Driver's Name (Last, First, MI) | | | | | | Print Driver's Name (Last, First, MI) | | | | | |
| Address (Street, City, State, ZIP code) | | | | | | Address (Street, City, State, ZIP code) | | | | | |
| Sex | | Date of Birth (Month, Day, Year) | | License Type | | Sex | | Date of Birth (Month, Day, Year) | | License Type | |
| License State | | Driver's License Number | | Restrictions | | License State | | Driver's License Number | | Restrictions | |
| Color | | Veh. Yr. | Make | Model Name | | Color | | Veh. Yr. | Make | Model Name | |
| Veh. Type (Enter No.) | | Lic. Yr. | License Plate No./Comm. No. | | Lic. State | Veh. Type (Enter No.) | | Lic. Yr. | License Plate No./Comm. No. | | Lic. State |
| Posted Speed Limit | | Direction of Travel | | No. of Occupants | | Posted Speed Limit | | Direction of Travel | | No. of Occupants | |
| Fire? <input type="checkbox"/> Yes <input type="checkbox"/> No | | Number of Axes | | Towed? <input type="checkbox"/> Yes <input type="checkbox"/> No | | Fire? <input type="checkbox"/> Yes <input type="checkbox"/> No | | Number of Axes | | Towed? <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| Registered Owner's Name | | | | | | Registered Owner's Name | | | | | |
| Address (Street, City, State, ZIP code) | | | | | | Address (Street, City, State, ZIP code) | | | | | |
| DIAGRAM (Refer to Vehicles by Number) | | | | | | | | | | | |
| INDICATE ON THIS DIAGRAM WHAT HAPPENED.  | | | | | | INSTRUCTIONS 1. Follow dotted lines to draw outline of roadway at place of accident. 2. Number each vehicle and show direction of travel by arrow.  3. Use solid line to show path before accident; dotted line after accident.  4. Show pedestrian by:  5. Show railroad by:  6. Show distance and direction to landmarks; identify landmarks by name or number. 7. Show traffic controls. | | | | | |
| How did the accident happen, and in your opinion, what caused the accident? (Describe fully, using a separate sheet of paper if necessary.) | | | | | | | | | | | |
| Was Accident Job Related? <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | Signature of Immediate Supervisor | | | | Date (Month, Day, Year) | | | |

OVERDUE AIRCRAFT CALL LIST

The Forest Service considers an aircraft overdue if the aircraft is 30 minutes overdue at its destination and cannot be located. At this point the following procedure should be initiated.

1. Obtain available information outlined in the Aircraft Accident Checklist.

2. Call Program Manager

Phil Marshall
(W) 317-232-4120
(C) 812-595-2740

Who will:

a. Call the Air Force Rescue Coordination
Center (AFRCC) at Tyndall AFB, FL

(800) 851-3051

b. Notify USFS Aviation Officer

Marc Roberts
(651) 470-3153 / (651) 649-5268

Or

Mike Connor
(651) 247-8076 / (651) 649-5180

- Who Notifies Northeastern Area
Aviation Officer

Dan Zimmerman
(610) 557-4147 / (610) 742-7860

c. Notify local law enforcement

Specific Site Emergency Numbers

CRASHED AIRCRAFT OFF AIRPORT CALL LIST

1. Rescue survivors - Render first aid.
2. Coordinate local crash/rescue, if available.
3. Complete actions in Aircraft Accident Instructions.
4. Fill out Aircraft Accident Checklist.
5. Call Program Manager

Phil Marshall
(W) 317-232-4120
(C) 812-595-2740

Who will:

- a. Notify USFS Aviation Officer

Marc Roberts
(651) 470-3153 / (651) 649-5268

Or

Mike Connor
(651) 247-8076 / (651) 649-5180

- Who notifies Northeastern Area
Aviation Officer (USFS)

Dan Zimmerman
(610) 557-4147 / (610) 742-7860

- b. Notify local law enforcement

Specific Site Emergency Numbers

CRASHED AIRCRAFT AT AIRPORT CALL LIST

1. Call local crash/rescue, if available. **911**

2. Rescue survivors - render first aid.

3. Evacuate injured.

a. Notify hospital, doctor **911**

b. Notify local law enforcement **911**

4. Complete actions in Aircraft Accident Instructions.

5. Fill out Aircraft Accident Checklist.

6. Call Program Manager

Phil Marshall
(W) 317-232-4120
(C) 812-595-2740

Who will:

a. Notify USFS Aviation Officer **Marc Roberts**
(651) 470-3153 / (651) 649-5268

Or

Mike Connor
(651) 247-8076 / (651) 649-5180

- Who notifies Northeastern Area
Aviation Officer (USFS) **Dan Zimmerman**
(610) 557-4147 / (610) 742-7860

b. Notify local law enforcement **Specific Site Emergency Numbers**

AIRCRAFT ACCIDENT CHECKLIST

(Do not delay emergency reporting calls by trying to fill in all the blanks)

| | | |
|---|-------------------------------------|-------------------|
| 1. Point of Contact Information (the person who will provide information and direct actions) | | |
| a. Name | | c. Duty Position: |
| b. Phone Numbers | | d. Address: |
| Work: | Cell: | |
| Fax: | Home: | e. E-mail: |
| 2. Accident Information | | |
| a. Aircraft Registration/Tail Number | Type of Aircraft | Color |
| b. Date and Time of Accident | | |
| c. Location of Aircraft (Grid, Lat/Log, Reference to Known Point) | | |
| d. Hazardous Materials Involved? (Explosives, Radioactive Materials, etc.) | | |
| e. Witnesses identified and statements requested? | | |
| f. Accident Site Secured? | Photos Taken? | |
| g. Flight Data Recorder Secured? (if applicable) | ELT Deactivated? | |
| h. Total Number of Personnel Involved | | |
| Number of Fatalities | Number of Injuries | |
| 3. Accident Description (type of mission, what happened, weather, extent of damage, etc.) | | |
| | | |
| 4. Admin Information | | |
| a. Aircraft Owner | b. Operator | |
| c. Pilot in Command | | |
| d. Point of Last Departure | e. Destination | |
| f. Route of Flight | g. Fuel on Board | |
| h. Nearest Commercial Airport | i. Suitable Helicopter Landing Site | |
| j. Other | | |

AIRCRAFT RESCUE INSTRUCTIONS

At an aircraft crash site, the National Transportation Safety Board (NTSB), has officially stated and declared that all crash sites are considered contaminated and injuries inflicted from debris could be fatal, based on HIV and Hepatitis B research reports. It is very critical that these sites be handled with the utmost care from the time of the accident until properly clothed investigators arrive at the site. Make every effort to disturb the crash site as little as possible. The less disturbed the crash site remains, the easier it will be to investigate the cause.

Rescue

1. Do not become a victim by placing yourself in jeopardy. Use good judgment and assist survivors and render first aid **to the best of your abilities** until relieved by medical personnel.
2. If there is any danger of post crash fire, move survivors to a safe place.
3. Keep bystanders and unauthorized personnel away from crash site.
4. Establish “no smoking” rule. Fire and explosion are real dangers with residual fuels and hot metal.

Search the wreckage carefully for other survivors

Exercise good judgment and use appropriate personal protective equipment.

Hazards at an aircraft accident site can include:

1. **Biological Hazards:** HIV, Hepatitis B and others.
2. **Toxic Substances:** Fuel, oil, hydraulic fluid, and aircraft materials such as beryllium, lithium, chromium, and mercury.
3. **Pressure Vessels:** Hydraulic accumulators, struts, oxygen cylinders, and fire extinguishers.
4. **Mechanical Hazards:** Metal under tension (rotor blades bent under fuselage), heavy objects, composite materials, and sharp edges.
5. **Fire Hazards:** Unburned fuel, hot metal (or other materials), aircraft batteries, pyrotechnics, and the ignition of grass as a result of the accident.
6. **Environmental Hazards:** Weather, terrain, animals.

Notify the Program Manager

Preserve the accident site

The area to be quarantined shall not be less than 300 feet in diameter (length of football field) and encompasses the entire wreckage. Every piece of the aircraft and its location is important to the investigators. Nothing should be disturbed. If something must be disturbed in order to remove survivors or for fire suppression activities, document and/or photograph the location of any debris. Use local law enforcement to secure site. Treat the area as if it were a crime scene and provide 24 hour security until investigation team arrives.

Identify witnesses (critical element)

1. Obtain witness statements, if possible.
2. Collect names, addresses, and phone numbers

All US Department of Interior (DOI) and US Department of Agriculture Forest Service (USDA FS) aircraft mishaps are investigated under the authority of the NTSB as defined in:

1. 49 Code of Federal Regulations (CFR) parts 830 and 831
2. Public Law (PL) 103-411

This means that regardless of severity, all aircraft mishaps (accidents or incidents) are the domain of the NTSB. If NTSB elect not to visit the site and physical investigation is conducted by DOI or USDA FS personnel, it is still a NTSB investigation and investigative efforts must comply with their rules and regulations.

MATERIAL SAFETY DATA SHEET

PAGE 1

Foray® 76B

MSDS# BIO-0012 Rev. 3

ISSUED 03/11/11

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MATERIAL NAME: Foray® 76B

EPA Reg.No.: 73049-49

Code Number: 35530

List Number: 60176

PCP Number : 24976

SYNONYMS: Biobit® XLP; VBC-6431

MANUFACTURER: Valent BioSciences Corporation
870 Technology Way, Suite 100
Libertyville, Illinois 60048

EMERGENCY TELEPHONE NUMBERS

Emergency Health or Spill:

Outside the United States: 651-632-6184

Within the United States: 877-315-9819

2. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME: Bacillus thuringiensis, var. kurstaki

CONCENTRATION: 18.44%

CAS NUMBER: 68038-71-1

OSHA-PEL 8HR TWA: N/L

STEL: N/L

CEILING: N/L

ACGIH-TLV 8HR TWA: N/L

STEL: N/L

CEILING: N/L

OTHER 8HR TWA: N/A

LIMITS STEL: N/A

CEILING: N/A

INGREDIENT NAME: Inert/Other ingredients - Proprietary Information

CONCENTRATION: 81.56%

CAS NUMBER: N/A

OSHA-PEL 8HR TWA: N/L

STEL: N/L

CEILING: N/L

ACGIH-TLV 8HR TWA: N/L

STEL: N/L

CEILING: N/L

OTHER 8HR TWA: N/A

LIMITS STEL: N/A

CEILING: N/A

MATERIAL SAFETY DATA SHEET

PAGE 2

Foray® 76B

MSDS# BIO-0012 Rev. 3

ISSUED 03/11/11

3. HAZARDS INFORMATION

EMERGENCY OVERVIEW: Product is non-toxic by ingestion, skin contact, or inhalation. May be irritating to skin and eyes.

ROUTE(S) OF ENTRY: Skin: No
Inhalation: No
Ingestion: No

SKIN CONTACT: Mild irritant

SKIN SENSITIZATION: Possible mild sensitizer (unconfirmed)

EYE CONTACT: Mild irritant

TARGET ORGANS: N/D

CARCINOGENICITY RATING: NTP: N/L IARC: N/L OSHA: N/L ACGIH: N/L
None

SIGNS AND SYMPTOMS: Direct contact with eyes or skin may cause mild irritation.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: N/D

4. FIRST AID MEASURES

EYES: Remove from source of exposure. Flush with copious amounts of water. If irritation persists or signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary.

SKIN: Remove from source of exposure. Flush with copious amounts of water. If irritation persists or signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary.

INGESTION: Remove from source of exposure. If signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary.

INHALATION: Remove from source of exposure. If signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary.

MATERIAL SAFETY DATA SHEET

PAGE 3

Foray® 76B

MSDS# BIO-0012 Rev. 3

ISSUED 03/11/11

5. FIRE FIGHTING PROCEDURES

FLASH POINT: N/A (Aqueous suspension)
FLASH POINT METHOD: N/A
LOWER EXPLOSIVE LIMIT(%): N/A
UPPER EXPLOSIVE LIMIT(%): N/A
AUTOIGNITION TEMPERATURE: N/A

FIRE & EXPLOSION HAZARDS: Non-flammable and no explosive properties.

EXTINGUISHING MEDIA: Use appropriate media for underlying cause of fire.

FIRE FIGHTING INSTRUCTIONS: Wear protective clothing and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

SPILL OR RELEASE PROCEDURES: Recover product and place in an appropriate container for disposal. Ventilate and wash the spill area.

7. HANDLING AND STORAGE

HANDLING: The usual precautions for handling chemicals should be observed.

STORAGE: Store in a closed container in a cool, dry place.

SPECIAL PRECAUTIONS: Wash thoroughly with soap and water after handling.
Keep impervious gloves on until all potentially contaminated personal protective equipment is removed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Use local exhaust

RESPIRATORY PROTECTION: Not usually required. If necessary, use a dust/mist respirator meeting NIOSH standards of at least N-95, R-95 or P-95.

SKIN PROTECTION: Impervious gloves, clothing to minimize skin contact.

EYE PROTECTION: Not usually required. If necessary, use safety glasses or goggles.

OTHER PROTECTION: Wash thoroughly with soap and water after handling.

MATERIAL SAFETY DATA SHEET

PAGE 4

Foray® 76B

MSDS# BIO-0012 Rev. 3

ISSUED 03/11/11

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE/PHYSICAL STATE: Light brown aqueous suspension

ODOR: Pungent, musty odor

BOILING POINT: N/D

MELTING/FREEZING POINT: N/D

VAPOR PRESSURE (mm Hg): N/D

VAPOR DENSITY (Air=1): N/D

EVAPORATION RATE: N/D

BULK DENSITY: 1.12-1.2 g/cm3

SPECIFIC GRAVITY: N/D

SOLUBILITY: Readily mixable with water

pH: 4.1-4.8 as a 10% solution in water

VISCOSITY: N/D

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Not chemically reactive.

INCOMPATIBILITIES: Alkalinity inactivates product.

HAZARDOUS DECOMPOSITION PRODUCTS: N/D.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

ORAL LD50: N/D. > 5,000 mg/kg (rat) for a similar formulation. EPA Toxicity Category IV

DERMAL LD50: N/D. > 2,500 mg/kg (rabbit) for a similar formulation. EPA Toxicity Category III

INHALATION LC50: N/D. In a nose-only inhalation study with rats with a similar formulation, no lethality was observed at the highest attainable aerosol concentration of 6.81 mg/liter for 4 hours.

CORROSIVENESS: N/D. Not expected to have any corrosive properties.

DERMAL IRRITATION: Transient, slight or mild irritation noted in a dermal irritation study with a similar formulation. EPA Toxicity Category IV.

OCULAR IRRITATION: Transient, mild irritation was observed in test animals in a study a similar formulation. EPA Toxicity Category III.

MATERIAL SAFETY DATA SHEET

PAGE 5

Foray® 76B

MSDS# BIO-0012 Rev. 3

ISSUED 03/11/11

11. TOXICOLOGICAL INFORMATION, continued

DERMAL SENSITIZATION: N/D. The possibility of mild sensitization exists with this formulation, however, this has not been confirmed by actual experience.

SPECIAL TARGET ORGAN EFFECTS: N/D

CARCINOGENICITY INFORMATION: N/D. None of the components are classified as carcinogens.

12. ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Studies on non-targets have been performed without identifying any organisms at risk. The following species have been included in the testing: mammals (rats, rabbits); freshwater aquatic organisms (Daphnia magna, Rainbow Trout); birds (Mallard, Bobwhite); and non-target insects (Green Lacewing larvae, Ladybird Beetles, Honey Bee).

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS: Dispose of product in accordance with federal, state and local regulations.

14. TRANSPORTATION INFORMATION

DOT STATUS: Not Regulated
PROPER SHIPPING NAME: N/A
HAZARD CLASS: N/A
UN NUMBER: N/A
PACKING GROUP: N/A
REPORTABLE QUANTITY: N/A

IATA/ICAO STATUS: Not Regulated
PROPER SHIPPING NAME: N/A
HAZARD CLASS: N/A
UN NUMBER: N/A
PACKING GROUP: N/A
REPORTABLE QUANTITY: N/A

MATERIAL SAFETY DATA SHEET

PAGE 6

Foray® 76B

MSDS# BIO-0012 Rev. 3

ISSUED 03/11/11

14. TRANSPORTATION INFORMATION, continued

IMO STATUS: Not Regulated
 PROPER SHIPPING NAME: N/A
 HAZARD CLASS: N/A
 UN NUMBER: N/A
 PACKING GROUP: N/A
 REPORTABLE QUANTITY: N/A
 FLASH POINT: N/A

15. REGULATORY INFORMATION

TSCA STATUS: Exempt RCRA STATUS: N/D
 CERCLA STATUS: N/D PROP 65 (CA): N/D
 SARA STATUS: N/D

16. OTHER INFORMATION

REASON FOR ISSUE: re-issue
 APPROVAL DATE: 03/11/11
 SUPERSEDES DATE: 09/12/07

LEGEND: N/A = Not Applicable
 N/D = Not Determined
 N/L = Not Listed
 L = Listed
 C = Ceiling
 S = Short-term
 ® = Registered Trademark of Valent BioSciences
 ™ = Registered Trademark of Valent BioSciences

The information and recommendations contained herein are based upon tests believed to be reliable. However, Valent BioSciences does not guarantee their accuracy or completeness nor shall any of this information constitute a warranty, whether expressed or implied, as to the safety of the goods, the merchantability of the goods, or the fitness of the goods for a particular purpose. Adjustment to conform with actual conditions of usage may be required. Valent BioSciences assumes no responsibility for results obtained or for incidental or consequential damages arising from the use of these data. No freedom from infringement of any patent, copyright or trademark is to be inferred.



870 Technology Way, Suite 100
 Libertyville, IL 60048 - 800-323-9597

March 2011 © Valent BioSciences Corporation



MATERIAL SAFETY DATA SHEET

SECTION I – PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: HERCON® DISRUPT® II Gypsy Moth Mating Disruptant
Target Insect: Gypsy Moth, Lymantria dispar
Pheromone Dispenser for Use as a Mating Disruptant
MSDS Number: 100306, 100306kg Date: Sept 24, 2009
COMPANY: ABERDEEN ROAD COMPANY d/b/a HERCON ENVIRONMENTAL
P.O. Box 435
Aberdeen Road
Emigsville, PA 17318

For an emergency or more information call 717-764-1192 or the National Pesticide Information, 800-858-7378

SECTION II. HAZARDOUS MATERIAL IDENTIFICATION SYSTEM

HEALTH = 1, FLAMMABILITY = 0, REACTIVITY = 0

SECTION III. COMPOSITION AND INFORMATION ON INGREDIENTS

ACTIVE

COMMON NAME: *Racemic Disparlure*
CHEMICAL NAME: *(7R,8S) cis 7,8-epoxy-2-methyloctadecane*
CHEMICAL FAMILY of active ingredient: *Insect Pheromone*
C.A.S. NUMBER: 35898-62-5
FORMULA: *C₁₉H₃₈O*
CONSTRUCTION: Laminated PVC controlled release dispenser 1/32" X 3/32" to be
aerially applied with an appropriate sticker **EPA Reg. No. 8730-55**

SECTION IV. PHYSICAL PROPERTIES

| | |
|---|-------------------------------------|
| BULK DENSITY: <i>N/A</i> | SPECIFIC GRAVITY/25°C: <i>N/A</i> |
| MELTING POINT: <i>300°F</i> | BOILING POINT: <i>N/A</i> |
| FREEZING PT: <i>N/A</i> | pH: <i>N/A</i> |
| PERCENT VOLATILE by volume: <i>None specified</i> | VAPOR DENSITY (AIR = 1): <i>N/A</i> |
| ODOR DESCRIPTION: <i>Mild</i> | SOLUBILITY IN WATER: |
| VAPOR PRESSURE (20°C, mm HG): <i>Not determined</i> | <i>Insoluble</i> |

SECTION V. PRODUCT HAZARD INFORMATION

PERCENT ACTIVE IN PRODUCT: *17.9%*
OCCUPATIONAL EXPOSURE LIMITS: *Not established*
HEALTH/TOXICITY INFORMATION: *Toxicological properties of the active ingredient have been investigated: Oral LD50 (rat) >34,000 mg/kg. Dermal LD50 (rat) >2,025 mg/kg. Use appropriate procedures to prevent direct contact with skin or eyes and prevent inhalation. No significant toxicity is expected*
EFFECTS OF OVEREXPOSURE: *None reported*

EMERGENCY AND FIRST AID PROCEDURES: *IF SWALLOWED: Have person sip a glass of water if able to swallow, Do not induce vomiting unless told by a poison control center or doctor. IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after 5 minutes then continue rinsing. IF ON*

.....Continued

SKIN: Remove contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. **IF INHALED:** Move person to fresh air. If person is not breathing call 911 or an ambulance then give artificial respiration, preferably mouth to mouth. In all cases call a poison control center or doctor immediately for further treatment advice. Have the product container or label with you when calling a poison control center or doctor or going for treatment.

SECTION VI. FIRE HAZARD INFORMATION

FLASH POINT: N/A

FLAMMABLE LIMITS in air: N/A

EXTINGUISHING MEDIA: Dry chemical, foam, water fog or spray Carbon dioxide, foam

SPECIAL FIRE FIGHTING PROCEDURES: If involved in fire, use air-supplied equipment. Do not inhale fumes. Wear full protective equipment and NIOSH approved pressure demand, self contained breathing apparatus

UNUSUAL FIRE AND EXPLOSION HAZARDS: When burned the hazardous decomposition products that will result because of incomplete combustion include carbon monoxide, other unidentified products of hydrocarbon degradation, NO_x , low level cyanides and hydrogen chloride.

SECTION VII. REACTIVITY INFORMATION

PRODUCT STABILITY: UNSTABLE _____ STABLE X

HAZARDOUS POLYMERIZATION: May Occur _____ May Not Occur X

CONDITIONS TO AVOID: Do not store near easily ignited chemicals and materials or open flames. MATERIAL TO AVOID: Strong oxidizing agents HAZARDOUS DECOMPOSITION PRODUCTS: On combustion, the polymeric dispensers may produce CO, CO_2 , HCL and CL_2 .

SECTION VIII. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: If product has spilled pick up mechanically. Place unpouched product in tightly sealed containers. Keep out of water sources and sewers.

PESTICIDE DISPOSAL: Waste resulting from the use of this product may be disposed of onsite or at an approved disposal facility. **CONTAINER DISPOSAL:** Plastic bag: Non-refillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or incinerate or if allowed by state or local authorities, by burning. If burned stay out of smoke. Cardboard Box [when used as outside packaging]: Dispose of outside cardboard box in sanitary landfill or by incineration or if allowed by state and local authorities, by burning. If burned stay out of smoke. Metal drums [when used as outside packaging] Offer for recycling or reconditioning, or dispose of in sanitary landfill, or by other procedures approved by state and local authorities as long as none of the bags containing product have broken while in the drum. If bags have broken, triple rinse the drum and then offer for resulting or reconditioning, or dispose of in a sanitary landfill.

SECTION IX. PERSONAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Usually none required.

EYE PROTECTION: Usually none required

VENTILATION: Good general ventilation should be sufficient.

PROTECTIVE GLOVES: None required but vinyl, latex or rubber gloves recommended for

.....Continued

continuous handling. OTHER PROTECTIVE EQUIPMENT: None under normal usage.

NOTE: *Personal protection information shown above is based upon general information as to normal uses and conditions. Where special or unusual uses or conditions exist, it is suggested that the expert assistance of an industrial hygienist or other qualified professional be sought.*

SECTION X. HANDLING AND STORAGE PRECAUTIONS

GENERAL PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: *Store in sealed containers in a cool, dry place and away from open flames. To maintain product integrity protect from high temperatures. Keep container closed. Launder contaminated clothing before use. Wear protective equipment described above if exposure conditions warrant. Do not contaminate water sources, food or feed.*

SPECIAL PRECAUTIONARY CONDITIONS: *None.*

SECTION XI. TRANSPORTATION DATA

DOT LABEL: *None required, non-hazardous material.*

SECTION XII. DISCLAIMER

WARRANTY AND LIMITATION OF DAMAGES

Hercon Environmental warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in accordance with the Directions for Use under normal conditions of use to the extent allowed by state law. Hercon neither makes, nor authorizes any agent or representative to make any other warranty of fitness or of merchantability, guarantee or representation, expressed or implied concerning this material except as stated above. This warranty does not extend to the use of this product contrary to the label instructions, or under abnormal use conditions, or under conditions not reasonably foreseeable to Hercon Environmental. If this product is defective, Buyer's exclusive remedy shall be the replacement of the product, or if replacement is impracticable as determined by Hercon, refund of the purchase price. To the extent allowable by law, Hercon's maximum liability for breach of this warranty shall not exceed the purchase price of this product. In no case will Hercon be liable for incidental, consequential or special damages resulting from handling, storage, use, misuse or abuse of this product.

| | |
|---|--|
| MSDS NUMBER <u>100306</u> | DATE ISSUED: <u>17 Sept. 1986 (LZ)</u> |
| BY: <u>Priscilla MacLean</u> | DATE REVISED: <u>14 September 2009</u> |
| TITLE: <u>Product Development Manager</u> | Replaces 19 June 2007 |

| Section 1- Substance and Company Information | | | | |
|---|---|--|--|--------------------------------------|
| Trade Name: SPLAT GM | | Chemical description: Mixture of wax, emulsifiers and carriers all listed by EPA as exempt from the requirement of tolerance | | |
| Manufacturer's Name: ISCA Technologies, Inc. | | Address: 2060 Chicago Ave. Suite C2, Riverside, CA 92507 | | EPA Est. # 80286-CA-003 |
| Information Calls: (951) 686-5008 | Date Prepared: 02/22/08 | Prepared by: DZ | Notice: Judgment based on indirect test data. | |
| Section 2 – Physical/Chemical Characteristics | | | | |
| Section 2.1 – Active Ingredient Characteristics | | | | |
| Molecular formula: C ₁₉ H ₃₈ O | | Molecular weight (g): 282.51 | | |
| Molecular Name: 2-methyl-7(R),8(S)-epoxy octadecane | | CAS #: 29804-22-6 | | |
| Section 2.2 – SPLAT Characteristics | | | | |
| Boiling Point: 100°C @ 760 mm/Hg | | Specific Gravity (H ₂ O=1): 0.87 ±0.05 g/mL | | |
| Vapor Density: (Air=1): N/A | | | | |
| Solubility in Water: limited solubility | pH: 7 | Water Reactive: NO | Appearance and Odor: creamy dark grey, slightly waxy floral odor | |
| Section 3 – Fire and Explosion Hazard Data | | | | |
| Flammability as per USA flame projection test (aerosols): NA | | Flash Point and Method Used: NA | | |
| Auto Ignition Temperature: NA | Extinguisher Media: CO ₂ , Foam, dry chemical | Potential hazardous products of combustion: Carbon dioxide, carbon monoxide, smoke, fumes, unburned hydrocarbons, aldehydes and other products of combustion | | |
| Unusual Fire & Explosion Hazards: None | | Special Fire Fighting Procedures: Use standard fire fighting procedures. | | |
| Section 4 – Reactivity Hazard Data | | | | |
| Stability: Stable under ordinary conditions of use and storage | | Incompatibility (Materials to avoid): None known. | | Hazardous Polymerization: None known |
| Hazardous Decomposition Byproducts: None known | | Conditions to Avoid: Presents no special reactivity hazard | | |
| Section 5 – Toxicological Data | | | | |
| Toxicity | | Primary Routes of Entry | | |
| | Inhalation | Ingestion | Skin Absorption | Eye |
| Acute Effects: | No data available | No data available | No data available | No data available |
| Chronic Effects: | No data available | No data available | No data available | No data available |
| Special Remarks: | | Most likely route of entry is through skin. | | |
| Medical Conditions Generally Aggravated by Exposure: | | None Known. | | |
| Section 6 – Emergency First Aid Procedures | | | | |
| Eye Contact: | Flush with water for 15 min. Seek medical help if necessary. | | | |
| Skin Contact: | Wash area well with water. Seek medical help if necessary. | | | |
| Inhalation: | Remove to fresh air. Give oxygen and call a physician. | | | |
| Ingestion: | Administer water and call a physician or poison control center immediately. Do not induce vomiting. | | | |
| Section 7 – Control and Protective Measures | | | | |
| Respiratory Protection (specify type): None normally needed. | | | | |
| Protective Gloves: | Rubber gloves. | | | |
| Eye Protection: | Splash proof safety glasses | | | |
| Ventilation Requirements: | Mechanical. | | | |
| Other protective clothing & equipment: | Safety shower, eye wash. | | | |
| Hygienic Work Practices: | Do not smoke, eat, drink or apply cosmetics in work area! Wash with soap and water after contact. Wash at the end of each work shift and before eating, smoking and using the toilet. | | | |
| Section 8 – Precautions for Safe Handling and Use | | | | |
| Steps to be taken if material is spilled or released: Standard absorbents can be used. | | | | |
| Waste Disposal Methods: | Incineration or sanitary landfill in accordance with local, state, and federal regulations. | | | |
| Precautions to be taken in handling & storage: | Store tightly sealed in a cool, well-ventilated area. Observe all warnings and precautions listed for the product. Use in accordance with good manufacturing and industrial hygiene practices. Use product in a properly ventilated work area. Do not eat, drink or smoke while handling product. | | | |
| Other Precautions and/or Special Hazards: | None | | | |
| Section 9 – Regulatory Information | | | | |
| HMIS Rating: Health Hazard 1; Fire Hazard 1; Reactivity 0; Personal Protection B (section 7) | | | | |
| DOT Hazard Classification: Not Regulated | | | | |
| The chemical, physical and toxicological properties of this product have not been thoroughly investigated. The above information is believed to be current and accurate; however, ISCA Technologies, Inc. makes no warranty with respect to such information and assumes no liability for any loss or injury which may result from the use of this information. Users should conduct their own investigations to determine the suitability of the information. OSHA (U.S. Occupational Safety and Health Administration) PEL (Permissible Exposure Limit) an exposure value that means exactly the same as a ACGIH TLV, except that it is enforceable by OSHA | | | | |

*Chemical Listed as Carcinogen or Potential Carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not Listed [e] Animal Data Only.

**EMERGENCY TELEPHONE NUMBERS
2012 COOPERATIVE GYPSY MOTH PROJECT**

**Several Northern Indiana Counties
Additional Numbers**

| | |
|--|---------------------|
| Parkview Hospital Helicopter Dispatch (out of Allen County) | 800-727-6911 |
| Luthern Hospital Helicopter Dispatch (out of Allen County) | 260-435-6911 |
| Pilot - | 936-465-4800 |
| Base Manager - | 260-415-3565 |
| | |
| | |

**EMERGENCY TELEPHONE NUMBERS
2012 COOPERATIVE GYPSY MOTH PROJECT**

Fulton County

| SITE (Treatment Method): | ROCHESTER N, NW, & S (Mating Disruption) |
|---|---|
| Police Department – Rochester – Jodi Miller, Chief | 911 or 574-223-3313 |
| Sheriff Department – Sheriff Walker Conley Fulton County E911 – Director Gail Karas | 911 or 574-223-2819 574-223-2910 |
| State Police – Peru Post | 911 or 574 473-6666 800-382-0689 |
| Fire Department and EMS – Rochester- Tom Butler | 911 or 574-223-6113 |
| County Emergency Management – Director Dave Tofson | 574-223-6611 |
| Law Enforcement District 1 Headquarters (C.O.) 9822 N Turkey Creek Rd Syracuse, IN 46567 | 574-457-8092 |
| Hospital Woodlawn Hospital 1400 East Ninth Street, Rochester, IN 46975 | 574-223-3141 |
| Poison Control | 800-382-9097 |
| Dept. of Environmental Management - Spill Line | 888-233-7745 |
| CHEMTREC (Chemical Transportation Emergency Center) | 800-424-9300 |
| National Response Center (if spill occurs on a highway) | 800-424-8802 |
| Health Department | 574-223-2881 |
| Extension Agent – Mark Kepler | 574-223-3397 |
| Mayor of Rochester – Mark Smiley | 574-223-4555 |
| Fulton County Commissioners | 574-935-2912 (Auditor) |
| FAA South Bend FSDO FAA After Hours (5pm-8am) | 574-245-4631 847-294-8400 |
| Nearest Airport Fulton County Airport - Rochester 545 N State Road 25, Rochester, IN 46975 Samaritan Flight Program – Administrative Office | 574-223-5384 260-373-3540 |

**EMERGENCY TELEPHONE NUMBERS
2012 COOPERATIVE GYPSY MOTH PROJECT**

Lake County

| SITE (Treatment Method): | BRIAR RIDGE (Mating Disruption) |
|---|--|
| Sheriff Department | 911 or 219-755-3371 |
| City Police - Highland Munster Schererville | 911 or 219-838-3184 219-836-6600 219-322-5000 |
| State Police | 911 or 800-552-8917 |
| Fire Department and EMS - Highland Munster Schererville | 911 or 219-923-9876 219-836-6960 219-322-2599 |
| Law Enforcement District 10 Headquarters (C.O.) 100 W. Water St. Michigan City, IN 46360 | 219-879-5710 |
| Hospital Community Hospital, Highland | 911 or 219-934-8888 |
| Poison Control | 800 382 9097 |
| Dept. of Environmental Management - Spill Line | 888-233-7745 |
| CHEMTREC (Chemical Transportation Emergency Center) | 800-424-9300 |
| National Response Center (if spill occurs on a highway) | 800-424-8802 |
| Hazmat | 219-465-3593 |
| Health Department | 219-755-3655 |
| Extension | 219-755-3240 |
| Highland Town Council Munster Town Manager Schererville Town Manager | 219-838-1080 219-836-6900 219-322-2211 |
| FAA Accident Report, Des Plaines, IL | 847-294-7294 |
| Nearest Airport: Porter County Municipal 4101 Murvhill Rd. Valparaiso | 219-462-6508 |

**EMERGENCY TELEPHONE NUMBERS
2012 COOPERATIVE GYPSY MOTH PROJECT**

Lake County

| SITE (Treatment Method): | OAK SAVANAH (Mating Disruption) |
|---|--|
| Sheriff Department | 911 or 219-755-3371 |
| City Police Lake Station Hobart Merrillville | 911 or 219-962-1186 219-942-2894 219-769-3722 |
| State Police | 911 or 800-552-8917 |
| Fire Department and EMS Lake Station Hobart Merrillville (Ross Township VFD) | 911 or 219-962-8295 219-942-5184 219-769-0004 |
| Law Enforcement District 10 Headquarters (C.O.) 100 W. Water St. Michigan City, IN 46360 | 219-879-5710 |
| Hospital Hind General Hospital, Hobart | 911 or 219-947-3271 |
| Poison Control | 800 382 9097 |
| Dept. of Environmental Management - Spill Line | 888-233-7745 |
| CHEMTREC (Chemical Transportation Emergency Center) | 800-424-9300 |
| National Response Center (if spill occurs on a highway) | 800-424-8802 |
| HAZMAT | 219-326-6808 |
| Health Department | 219-755-3655 |
| Extension | 219-755-3240 |
| Hobart Mayor - Brian Snedecor | 219-942-6112 |
| Lake Station Mayor - Keith Soderquist | 219-962-2081 |
| Merrillville Town Council | 219-769-5711 |
| FAA Accident Report, Des Plaines, IL | 847-294-7294 |
| Nearest Airport Niemeyer Aviation, 3600 N Lake Park Ave, Hobart Gary-Chicago International Airport 6001 Industrial Hwy., Gary, IN | 219-962-3020 219-949-9726 |

**EMERGENCY TELEPHONE NUMBERS
2012 COOPERATIVE GYPSY MOTH PROJECT**

Porter County

| SITE (Treatment Method): | COBBS CORNER (Mating Disruption) |
|---|---|
| Sheriff Department | 911 or 219-477-3000 |
| City Police | N/A |
| State Police | 911 or 800-552-8917 |
| Fire Department and EMS Boone Grove VFD | 911 or 219-464-2711 |
| Law Enforcement District 10 Headquarters (C.O.) 100 W. Water St. Michigan City, IN 46360 | 219-879-5710 |
| Hospital Porter Hospital, Valparaiso | 911 or 219-263-4600 |
| Poison Control | 800 382 9097 |
| Dept. of Environmental Management - Spill Line | 888-233-7745 |
| CHEMTREC (Chemical Transportation Emergency Center) | 800-424-9300 |
| National Response Center (if spill occurs on a highway) | 800-424-8802 |
| Hazmat | 219-465-3593 |
| Health Department | 219-465-3525 |
| Extension | 219-465-3555 |
| County council | 219-465-3332 |
| FAA Accident Report, Des Plaines, IL | 847-294-7294 |
| Nearest Airport: Porter County Municipal 4101 Murvhill Rd. Valparaiso | 219-462-6508 |